PUBLICATION NUMBER

58211344

PUBLICATION DATE

: 08-12-83

APPLICATION DATE APPLICATION NUMBER

01-06-82 : 57092173

APPLICANT: TOSHIBA CORP;

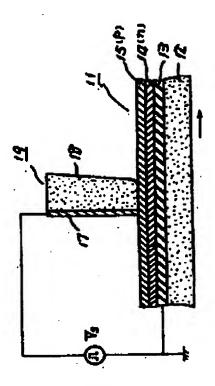
INVENTOR: TAKABAYASHI MAKOTO:

INT.CL.

G11B 11/08 G11B 9/08

TITLE

: INFORMATION RECORDING SYSTEM



ABSTRACT: PURPOSE: To ensure both features of a VTR and a video disk which can be mass-produced, by using an information recording medium containing at least p and n type amorphous semiconductor junction layers formed on a conductive substrate.

> CONSTITUTION: For recording of information signals, a conductive recording stylus 17 made of a metallic material like tungsten, etc. is brought into contact with the highest layer, i.e., a p type amorphous silicon thin film layer 15 of an information recording medium 11 in opposition to a recording head 19 which is formed on the side surface of an insulator 18 of sapphire, etc. in about 0.1-1µm thickness by a sputtering process, etc. Then the recording signal voltage V_s is applied between the stylus 17 and a stainless steel layer 13 of the medium 11. The voltage V₈ is applied to the medium 11 through the stylus 17, and at the same time a recording current flows to the medium 11.

COPYRIGHT: (C)1983,JPO&Japio